Safety Data Sheet GenFlex Roofing Systems

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • **All Purpose Primer LVOC**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s) • Construction

1.3 Details of the supplier of the safety data sheet

Manufacturer • Firestone Building Products Company
250 West 96th Street
Indianapolis, IN 46260
United States

genflexmsds@bfdp.com

Telephone (General) • 800-428-4442

1.4 Emergency telephone number

Manufacturer • (800) 424-9300 - CHEMTREC

Manufacturer • (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Flammable Liquids 2 - H225
Aspiration 1 - H304
Skin Irritation 2 - H315
Eye Irritation 2 - H319
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
EUH066

DSD/DPD • Highly Flammable (F)
Irritant (Xi)
Harmful (Xn)
R11, R36/38, R65, R66, R67

2.2 Label Elements

CLP

DANGER

Hazard statements • H225 - Highly flammable liquid and vapour

H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
EUH066 - Repeated exposure may cause skin dryness or cracking.

Precautionary statements

Prevention

- P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground and/or bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
P242 - Use only non-sparking tools.
P261 - Avoid breathing mist/vapours/spray.
P264 - Wash thoroughly after handling.
P243 - Take precautionary measures against static discharge.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P370+P378 - In case of fire: Use appropriate media for extinction.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P362 - Take off contaminated clothing and wash before reuse.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 - Do NOT induce vomiting.

Storage/Disposal

- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P235 - Keep cool.
P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD

Risk phrases

- R11 - Highly flammable.
R36/38 - Irritating to eyes and skin.
R65 - Harmful: may cause lung damage if swallowed.
R66 - Repeated exposure may cause skin dryness or cracking.
R67 - Vapours may cause drowsiness and dizziness.

Safety phrases

- S9 - Keep container in a well ventilated place
S16 - Keep away from sources of ignition - No Smoking.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other Hazards

CLP

- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD

- According to European Directive 1999/45/EC this material is considered dangerous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

- Flammable Liquids 2 - H225
Aspiration 1 - H304

Skin Irritation 2 - H315
Eye Irritation 2 - H319
Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336

2.2 Label elements

OSHA HCS 2012

DANGER

Hazard statements

- Highly flammable liquid and vapour - H225
  May be fatal if swallowed and enters airways - H304
  Causes skin irritation - H315
  Causes serious eye irritation - H319
  May cause respiratory irritation - H335
  May cause drowsiness or dizziness - H336

Precautionary statements

Prevention

- Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking. - P210
  Keep container tightly closed. - P233
  Ground and/or bond container and receiving equipment. - P240
  Use explosion-proof electrical/ventilating/lighting/equipment. - P241
  Use only non-sparking tools. - P242
  Take precautionary measures against static discharge. - P243
  Avoid breathing mist/vapours/spray. - P261
  Wash thoroughly after handling. - P264
  Use only outdoors or in a well-ventilated area. - P271
  Wear protective gloves/protective clothing/eye protection/face protection. - P280

Response

- In case of fire: Use appropriate media for extinction. - P370+P378
  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. - P304+P340
  Call a POISON CENTER or doctor/physician if you feel unwell. - P312
  IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. - P303+P361+P353
  Take off contaminated clothing and wash before reuse. - P362
  If skin irritation occurs: Get medical advice/attention. - P332+P313
  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
  If eye irritation persists: Get medical advice/attention. - P337+P313
  IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. - P301+P310
  Do NOT induce vomiting. - P331

Storage/Disposal

- Store in a well-ventilated place. Keep container tightly closed. - P403+P233
  Keep cool. - P235
  Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Flammable Liquids - B2
  Other Toxic Effects - D2B

2.2 Label elements

WHMIS

- Flammable Liquids - B2
  Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

Composition					
Chemical Name	**Identifiers**	**%**	**LD50/LC50**	**Classifications According to Regulation/Directive**	**Comments**
1-Chloro-4-(trifluoromethyl) benzene	**CAS:**98-56-6 **EINECS:**202-681-1	30% TO 60%	Ingestion/Oral-Rat LD50 • 13 g/kg Inhalation-Rat LC50 • 22 g/m³	**EU DSD/DPD:** Self Classified: R10, Xi, R36/38 **EU CLP:** Self Classified: Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319 **OSHA HCS 2012:** Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2	NDA
Naphtha (petroleum), hydrotreated light	**CAS:**64742-49-0 **EINECS:**265-151-9	10% TO 40%	NDA	**EU DSD/DPD:** Annex I: Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65 **EU CLP:** Annex VI: Carc. 1B, H350; Muta. 1B, H340; Asp. Tox. 1, H304 **OSHA HCS 2012:** Asp. Tox. 1	Component contains less than 0.1% benzene. Carcinogen and mutagen classifications do not apply for EU agencies.
Acetone	**CAS:**67-64-1 **EINECS:**200-662-2	10% TO 40%	Inhalation-Rat LC50 • 50100 mg/m³ 8 Hour(s) Ingestion/Oral-Rat LD50 • 5800 mg/kg	**EU DSD/DPD:** Annex I: F; R11 Xi; R36 R66 R67 **EU CLP:** Annex VI: Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3: Narc., H336; EUH066 **OSHA HCS 2012:** Flam. Liq. 2; Eye Irrit. 2; STOT SE 3: Resp. Irrit.; STOT SE 3: Narc.	NDA

See Section 11 for Toxicological Information. See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin
- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. If skin irritation occurs: Get medical advice/attention.

Eye
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion
- Do NOT induce vomiting. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media
- LARGE FIRES: Water spray, fog or alcohol-resistant foam.
  SMALL FIRES: Dry chemical, CO2, water spray or alcohol-resistant foam.

Unsuitable Extinguishing Media
- Do not use a direct stream of water.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
  Containers may explode when heated.
  Vapor explosion hazard indoors, outdoors or in sewers.
  Many liquids are lighter than water.
  Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
  Runoff to sewer may create fire or explosion hazard.
  Vapors may form explosive mixtures with air.
  Vapors may travel to source of ignition and flash back.
  Dried solids can burn and release toxic fumes and vapors.

Hazardous Combustion Products
- No data available

5.3 Advice for firefighters

- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
  Cool fire exposed containers with water.
  Move containers from fire area if you can do it without risk.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions
- Ventilate enclosed areas. Wear appropriate protective clothing. Do not touch or walk through spilled material.

Emergency Procedures
- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) Keep out of low areas. Stay upwind. Keep unauthorized personnel away. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Stop leak if you can do it without risk.
A vapor suppressing foam may be used to reduce vapors.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use clean non-sparking tools to collect absorbed material.
All equipment used when handling the product must be grounded.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Keep away from fire. Keep away from heat and sparks. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist/vapours/spray. Avoid contact with skin, eyes, and clothing. Use only in well ventilated areas. All equipment used when handling the product must be grounded. Bond and ground all transfer containers and equipment. Take precautionary measures against static charges. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near container. Do not eat, drink or smoke when using this product. After handling wash hands thoroughly.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Store in a cool/low-temperature, well-ventilated place away from heat and ignition sources. Keep container tightly closed. Keep away from incompatible materials.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	**ACGIH**	**Canada Alberta**	**Canada British Columbia**	**Canada Manitoba**	**Canada New Brunswick**
Acetone (67-64-1)	STELs	750 ppm STEL	750 ppm STEL; 1800 mg/m3 STEL	500 ppm STEL	750 ppm STEL	750 ppm STEL; 1782 mg/m3 STEL
	TWAs	500 ppm TWA	500 ppm TWA; 1200 mg/m3 TWA	250 ppm TWA	500 ppm TWA	500 ppm TWA; 1188 mg/m3 TWA

Exposure Limits/Guidelines (Con't.)						
	Result	**Canada Northwest Territories**	**Canada Nova Scotia**	**Canada Nunavut**	**Canada Ontario**	**Canada Quebec**
Acetone (67-64-1)	STELs	1250 ppm STEL; 2970 mg/m3 STEL	750 ppm STEL	1250 ppm STEL; 2970 mg/m3 STEL	750 ppm STEL	1000 ppm STEV; 2380 mg/m3 STEV
	TWAs	1000 ppm TWA; 2370 mg/m3 TWA	500 ppm TWA	1000 ppm TWA; 2370 mg/m3 TWA	500 ppm TWA	500 ppm TWAEV; 1190 mg/m3 TWAEV

Exposure Limits/Guidelines (Con't.)					
	Result	**Canada Saskatchewan**	**Canada Yukon**	**NIOSH**	**OSHA**
Acetone	TWAs	500 ppm TWA	1000 ppm TWA; 2400 mg/m3 TWA	250 ppm TWA; 590 mg/m3 TWA	1000 ppm TWA; 2400 mg/m3 TWA

(67-64-1)	STELs	Not established	1250 ppm STEL; 3000 mg/m3 STEL	Not established	Not established

8.2 Exposure controls

Engineering Measures/Controls

- Use in a well-ventilated area. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof electrical/ventilating/lighting/equipment.

Personal Protective Equipment

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear appropriate eye/face protection for the job/activity.

Skin/Body

- Wear appropriate gloves for the job/activity.

Environmental Exposure Controls

- In case of spills, keep product clear of sewers, waterways or land areas. Dispose of waste product in accordance with national and local laws and regulations.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene
NIOSH = National Institute of Occupational Safety and Health
OSHA = Occupational Safety and Health Administration
STEL = Short Term Exposure Limits are based on 15-minute exposures
STEV = Short Term Exposure Value
TWAEV = Time-Weighted Average Exposure Value
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Amber liquid with characteristic odor.
Color	Amber	Odor	Characteristic
Odor Threshold	Data lacking		
General Properties			
Boiling Point	133 F(56.1111 C)	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	1.01 Water=1	Density	8.42 lbs/gal
Water Solubility	Insoluble	Viscosity	Data lacking
Explosive Properties	Not explosive.	Oxidizing Properties:	Not an oxidizer.
Volatility			
Vapor Pressure	175 mmHg (torr) @ 20 C(68 F)	Vapor Density	Data lacking
Evaporation Rate	Data lacking	VOC (Vol.)	88.1 %
Flammability			
Flash Point	-4 F(-20 C)	UEL	13 %
LEL	2.6 %	Autoignition	Data lacking
Flammability (solid, gas)	Flammable Liquid.		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Avoid flames, sparks, or other sources of ignition.

10.5 Incompatible materials

- No data available

10.6 Hazardous decomposition products

- Carbon monoxide, carbon dioxide, hydrocarbon, hydrogen chloride and other acrid products of combustion.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Component Name	CAS	Data
1-Chloro-4-(trifluoromethyl) benzene (30% TO 60%)	98-56-6	**Acute Toxicity:** orl-rat LD50:13 gm/kg; ihl-rat LC50:22 gm/m3; **Multi-dose Toxicity:** ihl-rat TCLo:500 ppm/6H/4W-I
Acetone (10% TO 40%)	67-64-1	**Acute Toxicity:** orl-rat LD50:5800 mg/kg; ihl-rat LC50:50100 mg/m3/8H; **Irritation:** eye-rbt 20 mg SEV; skn-rbt 395 mg open MLD; **Reproductive:** ihl-rat TCLo:11000 ppm (6-19D preg)

GHS Properties	Classification
Acute toxicity	**EU/CLP** • Classification criteria not met **OSHA HCS 2012** • Classification criteria not met
Aspiration Hazard	**EU/CLP** • Aspiration 1 **OSHA HCS 2012** • Aspiration 1
Carcinogenicity	**EU/CLP** • Classification criteria not met **OSHA HCS 2012** • Classification criteria not met
Germ Cell Mutagenicity	**EU/CLP** • Classification criteria not met **OSHA HCS 2012** • Classification criteria not met
Skin corrosion/Irritation	**EU/CLP** • Skin Irritation 2 **OSHA HCS 2012** • Skin Irritation 2
Skin sensitization	**EU/CLP** • Classification criteria not met **OSHA HCS 2012** • Classification criteria not met
STOT-RE	**EU/CLP** • Classification criteria not met **OSHA HCS 2012** • Classification criteria not met
STOT-SE	**EU/CLP** • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects **OSHA HCS 2012** • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation

Toxicity for Reproduction	**EU/CLP** • Classification criteria not met **OSHA HCS 2012** • Classification criteria not met
Respiratory sensitization	**EU/CLP** • Classification criteria not met **OSHA HCS 2012** • Classification criteria not met
Serious eye damage/Irritation	**EU/CLP** • Eye Irritation 2 **OSHA HCS 2012** • Eye Irritation 2

Route(s) of entry/exposure
- Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Inhalation

Acute (Immediate)
- May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

Chronic (Delayed)
- No data available

Skin

Acute (Immediate)
- Causes skin irritation.

Chronic (Delayed)
- Repeated exposure may cause skin dryness or cracking.

Eye

Acute (Immediate)
- Causes serious eye irritation.

Chronic (Delayed)
- No data available.

Ingestion

Acute (Immediate)
- Material may be aspirated into the lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.

Chronic (Delayed)
- No data available.

Key to abbreviations

LC = Lethal Concentration
LD = Lethal Dose
MLD = Mild
TC = Toxic Concentration
SEV = Severe

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN1133	Adhesives	3	III	NDA
TDG	UN1133	ADHESIVES	3	III	Potential Marine Pollutant
IMO/IMDG	UN1133	ADHESIVES	3	III	NDA
ADN	UN1133	ADHESIVES	3	III	NDA
ADR/RID	UN1133	ADHESIVES	3	III	NDA
IATA/ICAO	UN1133	Adhesives	3	III	NDA

14.6 Special precautions for user
- None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- Not relevant.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications
- Acute, Chronic, Fire

State Right To Know				
Component	**CAS**	**MA**	**NJ**	**PA**
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	No	No	No
Acetone	67-64-1	Yes	Yes	Yes
Naphtha (petroleum), hydrotreated light	64742-49-0	No	No	No

Inventory						
Component	**CAS**	**Canada DSL**	**Canada NDSL**	**EU EINECS**	**EU ELNICS**	**TSCA**
1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Yes	No	Yes	No	Yes
Acetone	67-64-1	Yes	No	Yes	No	Yes
Naphtha						

(petroleum), hydrotreated light	64742-49-0	Yes	No	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	B2, D2B

Canada - WHMIS - Ingredient Disclosure List

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	1 %

Environment

Canada - 2004 NPRI (National Pollutant Release Inventory)

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

Canada - 2005 NPRI (National Pollutant Release Inventory)

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

Canada - CEPA - Greenhouse Gases Subject to Mandatory Reporting

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

Canada - CEPA - Priority Substances List

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

Canada - DWQ (Drinking Water Quality) - IMACs

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

Other

Canada - Accelerated Reduction/Elimination of Toxics (ARET)

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

Canada New Brunswick

Environment

Canada - New Brunswick - Ozone Depleting Substances - Schedule A

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

Canada - New Brunswick - Ozone Depleting Substances - Schedule B

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65
• Acetone	67-64-1	F; R11 Xi; R36 R66 R67

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	T R:45-46-65 S:53-45
• Acetone	67-64-1	F Xi R:11-36-66-67 S:(2)-9-16-26

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	P
• Acetone	67-64-1	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	S:53-45
• Acetone	67-64-1	S:(2)-9-16-26

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	5000 lb final RQ; 2270 kg final RQ

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Included in waste stream: F039

U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	

U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	

U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	0.28 mg/L (wastewater); 160 mg/kg (nonwastewater)

U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed

• Acetone	67-64-1	

U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	waste number U002 (Ignitable waste)

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• 1-Chloro-4-(trifluoromethyl) benzene	98-56-6	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Acetone	67-64-1	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H226 - Flammable liquid and vapour
  H340 - May cause genetic defects.
  H350 - May cause cancer.

  R10 - Flammable.
  R36 - Irritating to eyes.
  R45 - May cause cancer.
  R46 - May cause heritable genetic damage.

Last Revision Date

- 18/February/2014

Preparation Date

- 02/April/2012

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Key to abbreviations

NDA = No data available